

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of  
HANSON et al.

Serial No. 10/078,377

Filed: 21 February 2002



Atty. Ref.: 3978-8

TC/A.U.: 2681

Examiner: Desir, Pierre Louis

For: METHOD AND APPARATUS FOR PROVIDING MOBILE AND  
OTHER INTERMITTENT CONNECTIVITY IN A COMPUTING  
ENVIRONMENT

\* \* \* \* \*

May 12, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

In accordance with Rule 97, the undersigned attorney submits the documents listed on the attached form PTO-1449. A copy of each listed document other than U.S. patents is enclosed. The Examiner is requested to initial the attached form PTO-1449 and to return a copy as an indication that the listed documents have been considered and made of record in this case.

Pursuant to Rule 37 C.F.R. §1.97(c), a fee of \$180.00 as specified in Rule 17(p) is attached. If there is any shortage in the fee, please charge the deposit account of Nixon & Vanderhye, Account No. 14-1140.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

By: 

Robert W. Faris  
Reg. No. 31,352

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# INFORMATION DISCLOSURE CITATION

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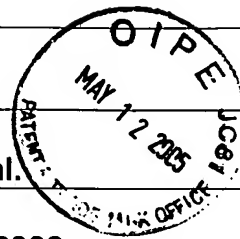
21 February 2002

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2003/0228874A1	12/2003	Mallette			
	2003/0223439A1	12/2003	O'Neill			
	2002/0176383	11/2002	Inoue et al.			
	2002/0167922	11/2002	Inoue et al.			
	2002/0147843A1	10/2002	Rao			
	2002/0122394A1	09/2002	Whitmore et al.			
	2002/0093956A1	07/2002	Gurin			
	2002/0091855A1	07/2002	Yemini et al.			
	2002/0075812A1	06/2002	Corwin			
	2003/0061384A1	03/2003	Nakatani			
	2003/0017845A1	01/2003	Doviak et al.			
	4,799,253	01/1989	Stern et al.			
	4,893,327	01/1990	Stern et al.			
	5,109,528	04/1992	Uddenfeldt			
	5,166,931	11/1992	Riddle			
	5,212,684	05/1993	MacNamee et al.			
	5,291,544	03/1994	Hecker			
	5,327,577	07/1994	Uddenfeldt			
	5,448,619	09/1995	Evans et al.			
	5,504,935	04/1996	Vercauteren			
	5,666,653	09/1997	Ahl			
	5,668,837	09/1997	Dent			
	5,732,076	03/1998	Ketseoglou et al.			
	5,745,850	04/1998	Aldermeshian et al.			
	5,754,961	05/1998	Serizawa et al.			
	5,812,819	09/1998	Rodwin et al.			
	5,835,725	11/1998	Chiang et al.			
	Re. 36,078	02/1999	Uddenfeldt et al.			
	5,918,016	06/1999	Brewer et al.			
	5,941,956	08/1999	Shirakihara et al.			
	5,956,640	09/1999	Eaton et al.			
	6,038,230	03/2000	Ofek			
	6,052,725	04/2000	McCann et al.			
	6,131,121	10/2000	Mattaway et al.			
	6,185,184	02/2001	Mattaway et al.			
	6,195,705	02/2001	Leung			
	6,212,563	04/2001	Beser			
	6,233,616	05/2001	Reid			
	6,243,749	06/2001	Sitaraman et al.			
	6,252,884	06/2001	Hunter			
	6,412,025	06/2002	Cheston et al.			
	6,438,594	08/2002	Bowman-Amuah			

\*Examiner

Date Considered

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TC/A.U.

**21 February 2002****2681**


**OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)**

		"3G TS 23.171, V3.1.0, 3 <sup>rd</sup> Generation Partnership Project; Technical Specification Group Services and System Aspects; Functional stage 2 description of location services in UMTS (Release 1999)," pp 1-48, XP002269105 (July 2000)
		Ala-Laurila, Juha, et al., "Implementation of the wireless ATM access terminal," COMPUTER NETWORKS 31, pp. 959-973 (1999)
		Alanko, T., et al., "Mobile computing based on GSM: The Mowgli approach," IFIP '96 WORLD CONFERENCE – MOBILE COMMUNICATIONS, Canberra, Australia (09/2-6/1996)
		Almquist, P. RFC 1716 "Towards Requirements for IP Routers" (IETF 11/1994)
		Almquist, P., "Ruminations on Next-Hop" (March 25, 1993)
		Anderson, T.E., et al., "Serverless Network File Systems," ACM Transactions on Computer Systems, Vol. 14, No. 1, pp. 41-79 (February 1996)
		B. Tuch, Development of WaveLAN, an ISM band wireless LAN, Lucent Technical Journal, 27-37 (July/August 1993)
		Baker, F. RFC 1812 "Requirements for IP Version 4 Routers" (IETF 6/1995)
		Balakrishnan, Hari, et al., XP-000734405, "A Comparison of Mechanisms for Improving TCP Performance over Wireless Links," IEEE/ACM TRANSACTIONS ON NETWORKING, Vol. 5, No. 5, (12/1997)
		Bordan, Jonathan, Power Point Presentation "Wireless WAN Extensions to NDIS Mobitex NDIS driver" (Ericsson Communications Canada Connectivity Lab (7/17/1996)
		Braden, R., RFC 1009 "Requirements for Internet Gateways" (IETF 06/1987)
		Braden, R., RFC 1123, "Requirements for Internet Hosts – Application and Support" (10/1989)
		Brodsky, Ira, "PDAs will usher in the next net revolution," Special Focus, Wireless Networks, NETWORK WORLD (11/7/1994)
		Cáceres, R., et al., "Improving the Performance of Reliable Transport Protocols in Mobile Computing Environments"
		Caporuscio, Maurio, et al., "Design and Evaluation of a Support Service for Mobile, Wireless Publish/Subscribe Applications," IEEE Transactions on Software Engineering, Vol. 29, No. 12, pp. 1059-1071 (12/2003)
		Castineyra, I., RFC 1992, "The Nimrod Routing Architecture" (IETF August 1996)
		Cerf, V., RFC 829, "Packet Satellite Technology Reference Sources" (11/1982)
		DTMF – Common Information Model (CIM), <a href="http://www.dmtf.org/standards/cim/">http://www.dmtf.org/standards/cim/</a>
		Durham, D., et al., Networking Group Request for Comments 2748, "The COPS (Common Open Policy Service) Protocol"
		"ETSI TS 123 060, V3.3.0, Digital cellular telecommunications system (Phase 2+)(GSM); Universal Mobile Telecommunications System (UMTS); General Packet Radio Service (GPRS); Service description; Stage 2 (3G TS 23.060 version 3.3.0 Release 1999)," pp. 1-186 (04/2000)
		"How WRQ's TCP Connection Reduces Costs and Improves Reliability in Mobile/Wireless Computing" (WRQ 1/95)
		Inouye, Jon et al., "Dynamic Network Reconfiguration Support for Mobile Computers," MOBICOM 97 Budapest Hungary, pp. 13-22 (1997)
		Jacobson, V. et al., Networking Working Group Request for Comments: 1072, "TCP extensions for long-delay paths" (10/1988)
		Jacobson, V., et al., "Congestion Avoidance and Control" (11/1988)
		Jacobson, V., Networking Working Group Request for Comments: 1144, "Compressing TCP/IP headers for low-speed serial links" (02/1990)

\*Examiner

Date Considered

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	Jaeger, Trent et al., "A Role-based Access Control Model for Protection Domain Derivation and Management," RBAC 97 Fairfax Va USA (1997)
	Johnson, D.B., "Mobility Support in IPv6," Internet Draft, IETF Mobile IP Working Group, XP-002951077 (7/2/2000)
	Katz, "Transmission of IP and ARP over FDDI Networks" (Internet Draft September 14, 1992)
	Katz, D., Network Working Group Internet Draft, "Transmission of IP and ARP over FDDI Networks," (9/14/1992)
	Katz, R.H., et al., "The Bay Area Research Wireless Access Network (BARWAN) Proceedings of COMPCON '96 (February 25-28, 1996 — San Jose, CA)
	Kei, Lee Man, et al., "An Efficient RPC Scheme in Mobile CORBA Environment," IEEE (2000)
	Kleinrock, Leonard, Nomadix, Inc., "On Some Principles of Nomadic Computing and Multi-Access Communications," IEEE Communications Magazine, pp 46-50 (07/2000)
	Kobielus, James, "Prospects are golden for Wireless Data Services," Special Focus, Wireless Networks, NETWORK WORLD (11/7/1994)
	Logue, et al., "The unofficial @Guard FAQ (7/30/1998)
	mailing list at <a href="http://www.citi.umich.edu/projects/mobile/mobile-ip-mail">http://www.citi.umich.edu/projects/mobile/mobile-ip-mail</a> (6/92 - 7/95)
	Martin, Jean-Christophe, "Policy-Based Networks," XP-002271561, Sun BluePrints OnLine (10/1999)
	Mathias, Craig et al., "The ABCs of PCS," Special Focus, Wireless Networks, NETWORK WORLD (11/7/1994)
	Medhi, D., et al., "Network Dimensioning and Performance of Multiservice, Multirate Loss Networks with Dynamic Routing," IEEE/ACM TRANSACTIONS ON NETWORKING, Vol. 5, No. 6, pp. 944-957 (12/1997)
	Mink, S. et al., "Towards Secure Mobility Support for IP Networks," IEEE Publication, Vol. 1, pp. 555-562, SP101526810 (08/21/2000)
	NETMOTION WIRELESS: "Extending Mobile Solutions Without Middleware," WHITE PAPER 'Online!, XP002324100 (8/6/01)
	Ohta, "Conventional IP over ATM" (Internet Draft March 1995)
	Ohta, M. et al., Internet Draft draft-ohta-ip-over-atm-02.txt, "Conventional IP over ATM (03/1995
	PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997)
	PCCA STD 201, Extensions to NDIS for Wireless WANs, Revision 1.1 (10/29/1996)
	PCCA STD-201 "Extensions to NDIS for Wireless WANs" Version 1.1 (7/7/2000)
	PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Draft Version 0.09 (8/31/1995)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Version 1.1 (1/3/1996)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Version 1.2 (1/17/1996)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Version 1.0 (10/25/1995)
	PCCA-XSTD-201, "Wireless Extensions to NDIS 3 PROPOSAL, Draft Version 0.08 (7/5/1995)
	PCCA-XWPDS, Draft Proposed PCCA Standard, "PCCA Extensions for the PC/TCP Packet Driver Specification," Revision 1.03a (12/11/1994)
	Perkins, C., RFC 2003, "IP Encapsulation within IP," (IETF 10/1996)
	Perkins, Internet Draft: "IP Encapsulation Within IP" (IETF 5/31/1996)
	Perkins, Internet Draft: "IP Mobility Support" (IETF 5/31/1996)
	Portable Computer and Communications Association (PCCA) "Extensions to NDIS for Wireless WANs" (Version 1.0 1996)
	Power Point Presentation "Advantages of WRQ's TCP" (WRQ 1994)
	Press Release, "Bethlehem, Penn. -(Business Wire) via Individual Inc. - Designed for businesses with mobile workers, PADCOM, Inc. today introduced SmartPath..." (9/22/1997)
	Published Internet Standards: Request for Comment No. 1122, "Requirements for Internet Hosts - Communications

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